



Update Software

BE-Flash

GB

Operating Instructions



TRIAX - your ultimate connection

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2 GENERAL INFORMATION

2.1 MEANING OF THE USED SYMBOLS



Important note



General note



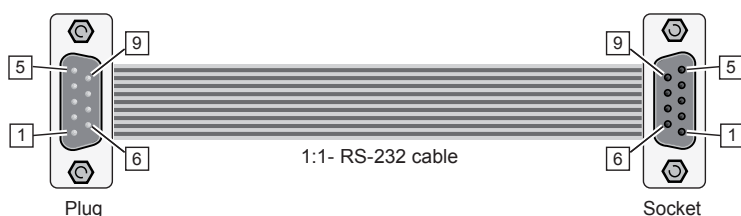
Performing works

—> The shown illustrations of menus are partly dependent on the used operating system and its settings.
Variations are possible.

2.2 DESCRIPTION

The BE-Flash software allows to update the firmware of devices (head-end stations and cassettes) of the head-end systems CSE 3300 and CSE 2800.

The update PC is to connect with a 1:1 RS-232 cable locally via a serial RS-232 interface to the device to be updated.



—> For PCs with USB connector (without serial interface), we recommend the DeLOCK "USB 2.0 to Serial adapter" (Product No. 61460).

Using a suitable management unit a remote controlled update of head-end stations and current cassettes of the head-end system 3300 is possible.



Trying to do an update using a wrong firmware results in an error message and possibly to a destruction of the cassette/module.

3 FIRMWARE UPDATE USING THE BE-FLASH SOFTWARE

3.1 PC SYSTEM REQUIREMENTS

System requirements for the BE-Flash software:

- Windows 95*/98*/ME/2000/XP/Vista/7/8 (*from Internet Explorer 5 on),
- at least 32 MB RAM,
- LAN interface (RJ 45 socket, for remote update via Ethernet),
- serial interface (COM interface, RS-232 Sub D, for in situ operation).

—> For PCs with USB connector (without serial interface), we recommend the DeLOCK "USB 2.0 to Serial adapter" (Product No. 61460).

- Internet access for downloads and remote update via Ethernet.

3.2 PREPARATION

- Unzip the new firmware into a folder on your PC (you will find current firmware at "www.triax.com").

—> To unzip click on the file using the right button of the mouse and select "extract all..." in the context menu.

For further information about the basics for operating your PC contact your system administrator.

—> The BE-Flash software (BEflash.exe) is contained in the ZIP file of the new firmware (you will find it also on the CD attached to the cassette/head-end station).

- Connect your PC via a "RS-232 Sub D cable" or a commercially available "USB/RS-232 adapter" to the RS-232 socket of the corresponding cassette/head-end station/management unit.

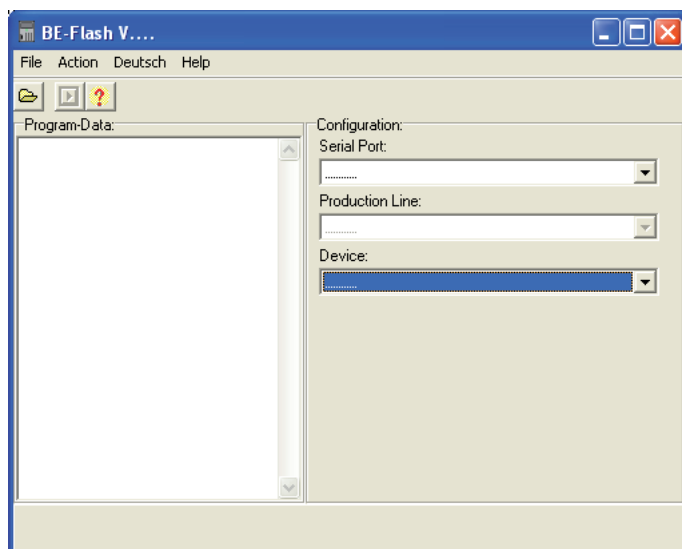
—> For update/remote update via a management unit additionally observe its assembling instruction.

—> **Note for cassettes of the head-end system CSE 3300 about the update via a direct connection (RS-232 interface):**

The cable must always be connected to the unit to be updated. The firmware of a cassette can not be updated via the control unit!


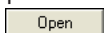
3.3 UPDATE PROCEDURE

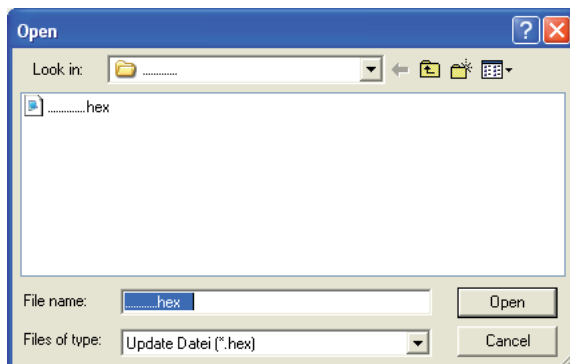
- Start the update software **BEflash.exe**.



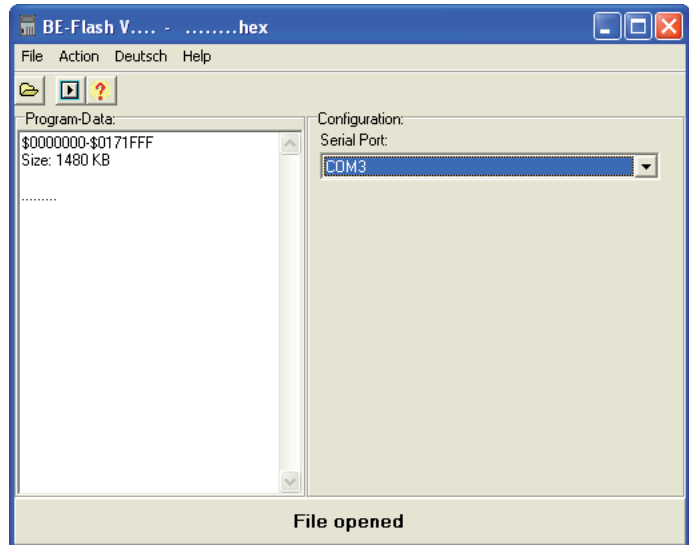
- Select the corresponding connection (COM 1...COM 9/Ethernet) in the pull-down menu **Serial Port:** of section "Configuration".

- > You can find the current COM port of an used USB/RS-232 adapter via the Windows system control.
- > **Only COM 1...COM 9 is supported by BE-Flash.**

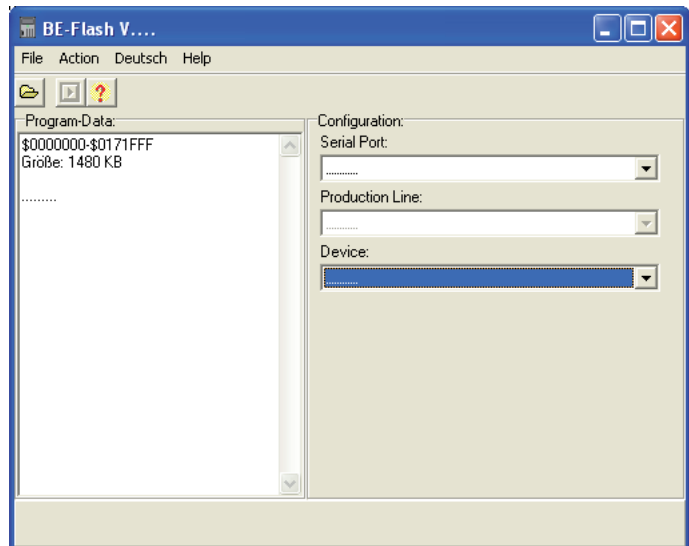
- Select the file unzipped before in the "Open menu" (via menu item **File > Open...** or button ) and click to button .





—> At recent devices and current firmware versions the device will be detected, the pull-down menus **Production Line** and **Device** are hidden.



- At older devices select "Triax" in the pull-down menu **Product Line** and the type of the device to be updated in the pull-down menu **Device**.




- > At direct connection via the COM interface to devices of the head-end system CSE 3300 **now** it is possible to recall its firmware indexes using button  (displayed in the lower part of the menu).
- > For update/remote update via Ethernet select **Ethernet** in section "Configuration > Serial Port" instead of a COM port.

- Click at button  or select menu item **Action > Program** to start the update procedure.

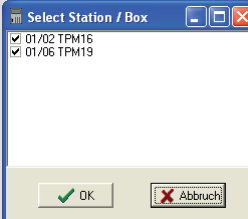
Additional settings for a connection via Ethernet:

- > For updates/remote updates via Ethernet a menu to enter the IP address and port is displayed.



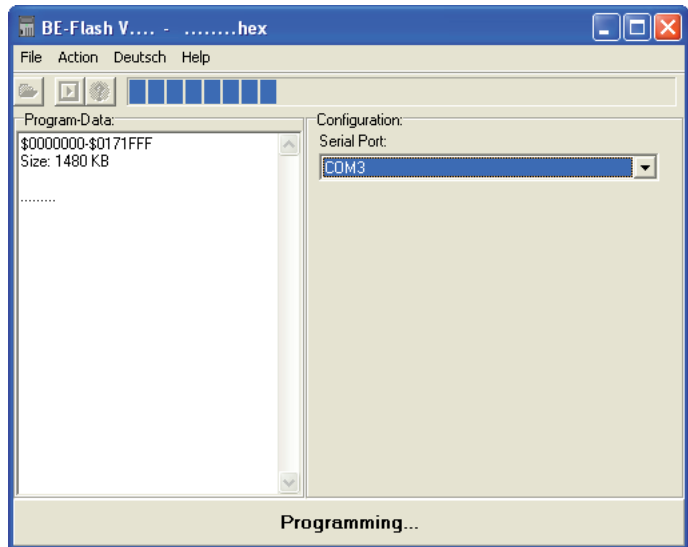
The dialog box titled "Select IP-Address" has a blue title bar with a close button. It contains a label "IP-Port [Information]" above a text field with the value "10.6.11.20:60003" and a dropdown arrow. Below this is a label "Password:" followed by an empty text field. At the bottom are two buttons: "OK" with a green checkmark icon and "Abbruch" with a red X icon.

- Enter the IP address and (seperated by a colon) the port via the management unit can be connected: e.g. **10.6.11.20:60003**
- If a password for remote access of the management unit was assigned, enter it.
- Start the connection establishment with button "OK".
- > Devices suitable for the software are displayed:
e.g.: **01** (station)/**02** (cassette) **TMP16** (current software version 16)

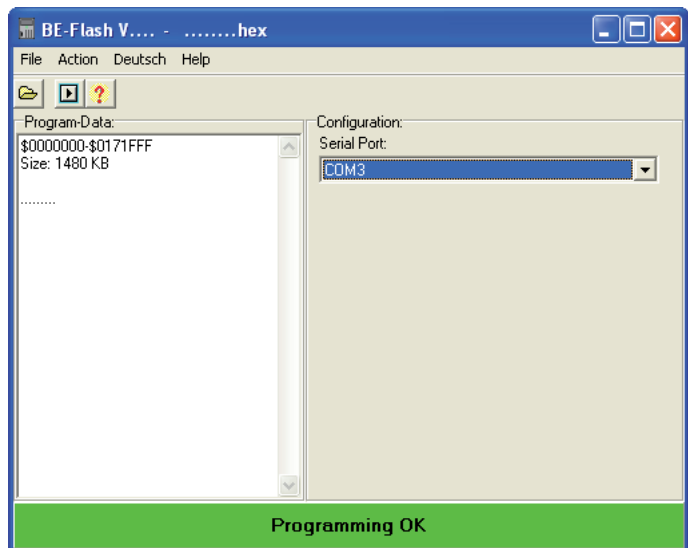


The dialog box titled "Select Station / Box" has a blue title bar with standard window controls. It contains a list box with two items: "01/02 TFM16" and "01/06 TFM19", both preceded by checked checkboxes. At the bottom are two buttons: "OK" with a green checkmark icon and "Abbruch" with a red X icon.

- For devices not to be updated remove the hook and start the update procedure by button "OK".



—> A bargraph informs about the progress of the programming procedure.



- > After a successful programming "Programming OK" is displayed.
- > If problems occur switch off the power saving function and the screen saver as these functions partly may be disturb the communication via the serial interface.

- > The update via Ethernet needs significantly more time than the update via RS-232 direct connection.
First the new firmware will be transmitted to the head-end station (bargraph).
After a successful transmission the selected cassettes will be updated ("Serial service" is displayed at the control unit). This can take up to 45 minutes for each cassette.
During this time

no reaction

is displayed in the BEFlash window. Ignore this message and end BE-Flash.

Possible error messages during an update via the COM interface:

Com Error

- > You have selected the wrong COM interface.

no reaction

- > The selected firmware does not correspond to the cassette.

Possible error messages during an update via Ethernet:

not found

- > There is no cassette available which corresponds to the selected firmware.

